XR-L500/L500V/L500X

SERVICE MANUAL

AEP Model
UK Model

Ver 1.1 2001.05

Photo: XR-L500

Model Name Using Similar Mechanism	XR-4300R
Tape Transport Mechanism Type	MG-25G-136

SPECIFICATIONS

Cassette Player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 18,000 Hz
Signal-to-noise ratio	

Cassette type	
TYPE II, IV	61 dB
TYPE I	58 dB

Tuner section

FM

Tuning range	87.5 – 108.0 MHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)
Harmonic distortion at 1 kHz	
	0.6 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW/LW

Tuning range	MW: 531 – 1,602 kHz LW: 153 – 279 kHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	MW: 30 µV LW: 40 µV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	50 W × 4 (at 4 ohms)

General

Outputs	Audio outputs (Rear) Power aerial relay control lead Power amplifier control lead
Inputs	Telephone ATT control lead Remote controller input connector Aerial input connector
Tone controls	Bass ±8 dB at 100 Hz Treble ±8 dB at 10 kHz
Loudness	100 Hz +8 dB 10 kHz +2 dB
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 × 50 × 176 mm (w/h/d)
Mounting dimensions	Approx. 182 × 53 × 161 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1)

Note
This unit cannot be connected to a digital preamplifier or an equalizer.

Design and specifications are subject to change without notice.

FM/MW/LW CASSETTE CAR STEREO

9-870-247-12
2001E0500-1
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Shinagawa Tec Service Manual Production Group

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SECTION 4
MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head pinch roller
   rubber belt capstan
   idler
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the power supply voltage (14.4 V) unless otherwise noted.

• Torque Measurement

Mode	Torque Meter	Meter Reading
Forward	CQ-102C	2.95 – 6.37 mN•m (30 – 65 g•cm) (0.42 – 0.90 oz•inch)
Forward Back Tension	CQ-102C	0.05 – 0.44 mN•m (0.5 – 4.5g•cm) (0.01 – 0.06 oz•inch)
Reverse	CQ-102RC	2.95 – 6.37 mN•m (30 – 65 g•cm) (0.42 – 0.90 oz•inch)
Reverse Back Tension	CQ-102RC	0.05 – 0.44 mN•m (0.5 – 4.5g•cm) (0.01 – 0.06 oz•inch)
FF, REW	CQ-201B	5.89 – 19.61 mN•m (60 – 200 g•cm) (0.83 – 2.78 oz•inch)

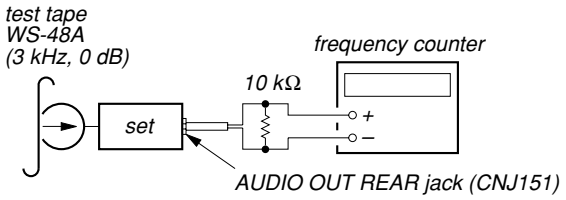
• Tape Tension Measurement

Mode	Tension Meter	Meter Reading
Forward	CQ-403A	more than 60 g (more than 2.12 oz)
Reverse	CQ-403R	more than 60 g (more than 2.12 oz)

SECTION 5
ELECTRICAL ADJUSTMENTS

TAPE DECK SECTION | 0 dB=0.775 V

Tape Speed Adjustment
Setting:



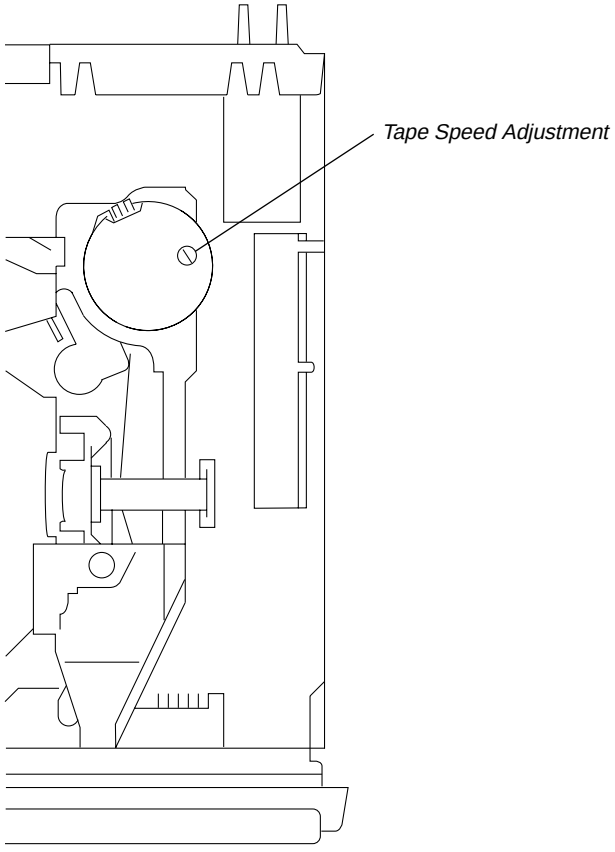
Procedure:
1. Put the set into the FWD PB mode.
2. Adjust adjustment resistor for inside capstan motor so that the reading on the frequency counter becomes 3,000 Hz.

Specification: Constant speed

Frequency counter
2,955 to 3,075 Hz

Adjustment Location:

– SET UPPER VIEW –



TUNER SECTION

Tuner section adjustments are done automatically in this set.

SECTION 6
DIAGRAMS

6-1. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

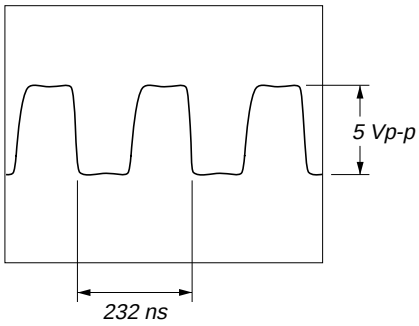
Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- ▬ : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
  ( ) : MW/LW
  〈〈 〉〉 : TAPE PLAYBACK
  ∗ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : FM
  ➡ : MW/LW
  ⇨ : TAPE PLAYBACK
  ⇨ : BUS AUDIO IN

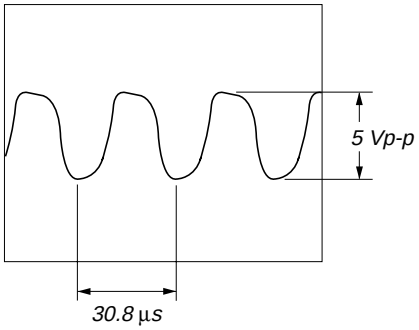
- **Waveforms**

– MAIN Board –

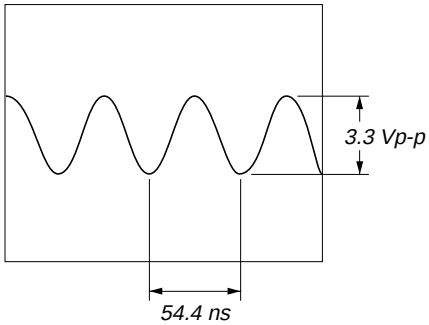
❶ IC51 ④ (OSCO)



❸ IC501 ⑯ (XOUT)

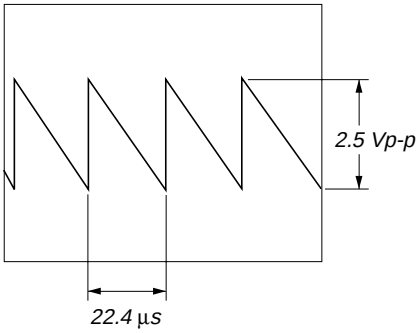


❷ IC501 ⑫ (OSCOUT)



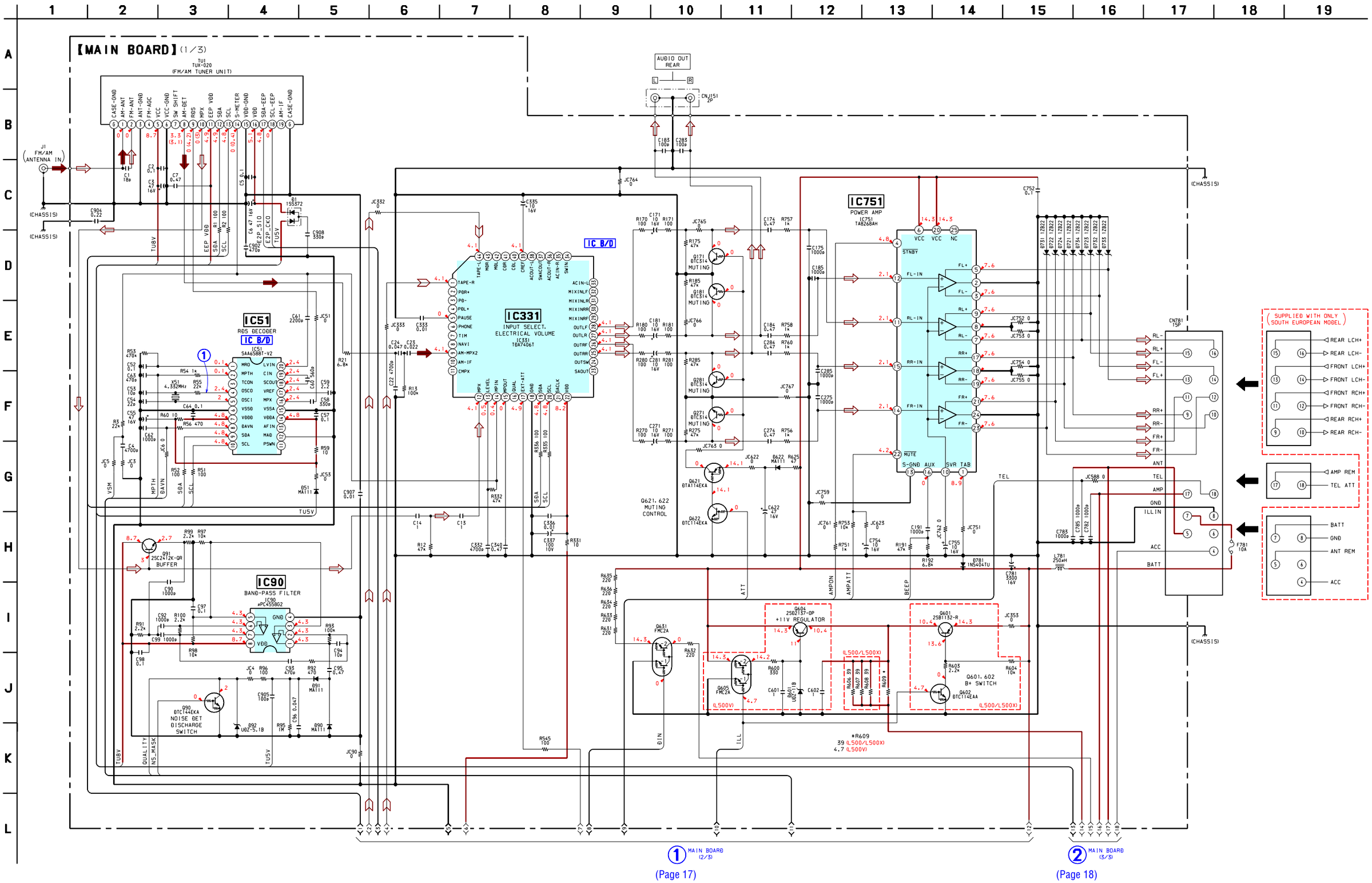
– KEY Board –

❹ IC900 ㉞ (OSC)

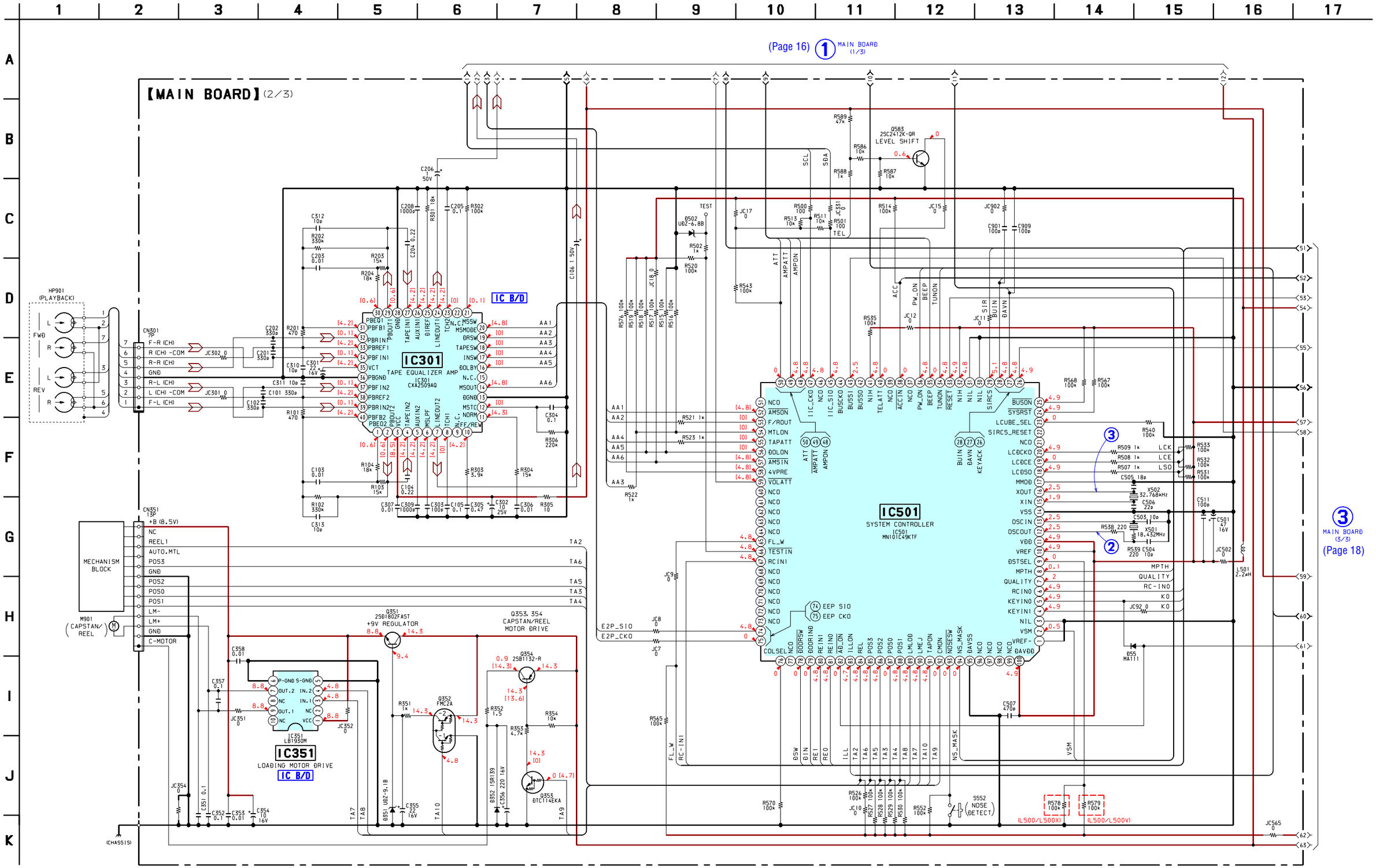


6-3. SCHEMATIC DIAGRAM – MAIN Board (1/3) –

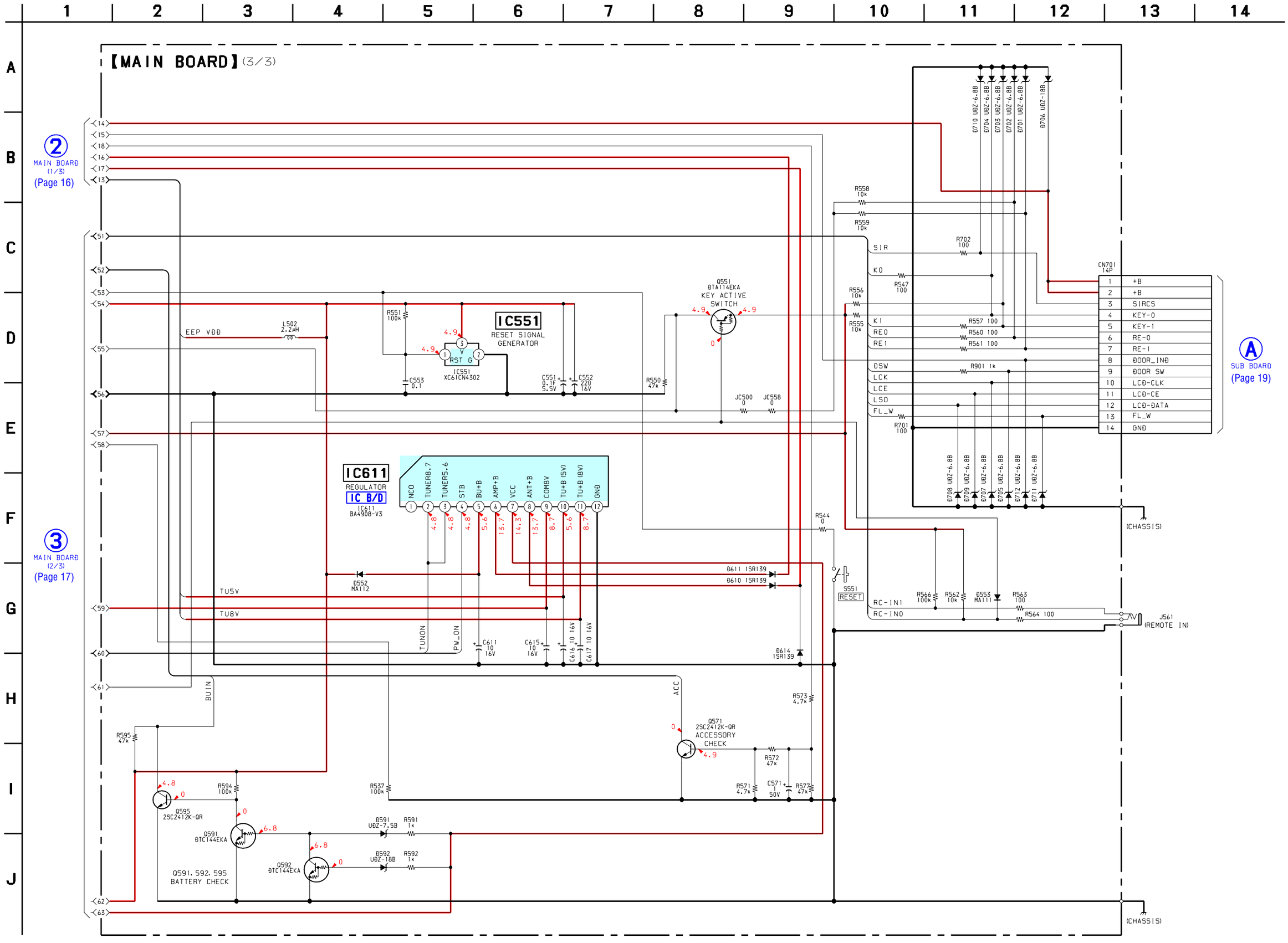
• See page 14 for Waveform. • See page 23 for IC Block Diagrams.



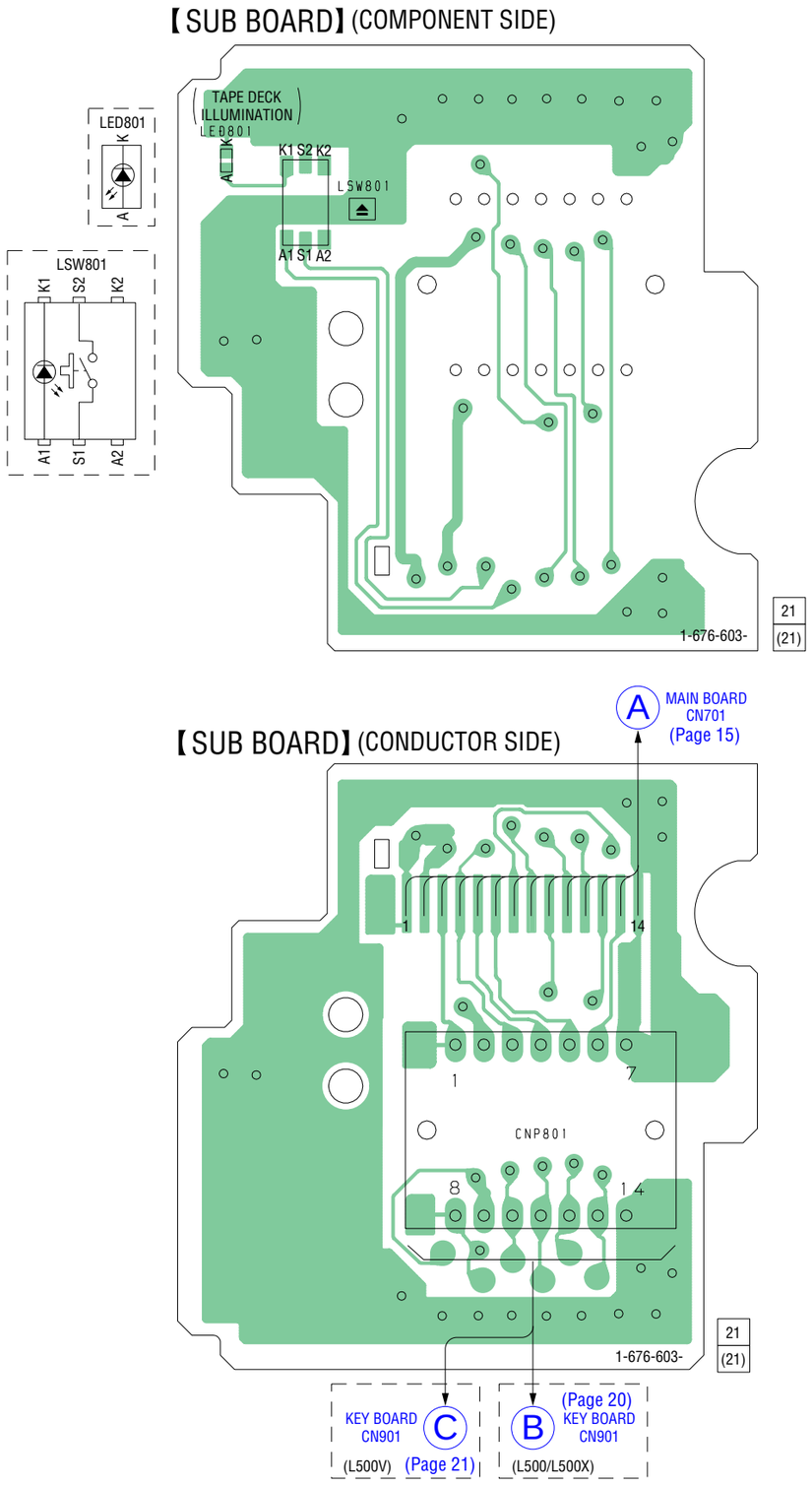
6-4. SCHEMATIC DIAGRAM – MAIN Board (2/3) – • See page 14 for Waveforms. • See page 23 for IC Block Diagrams.



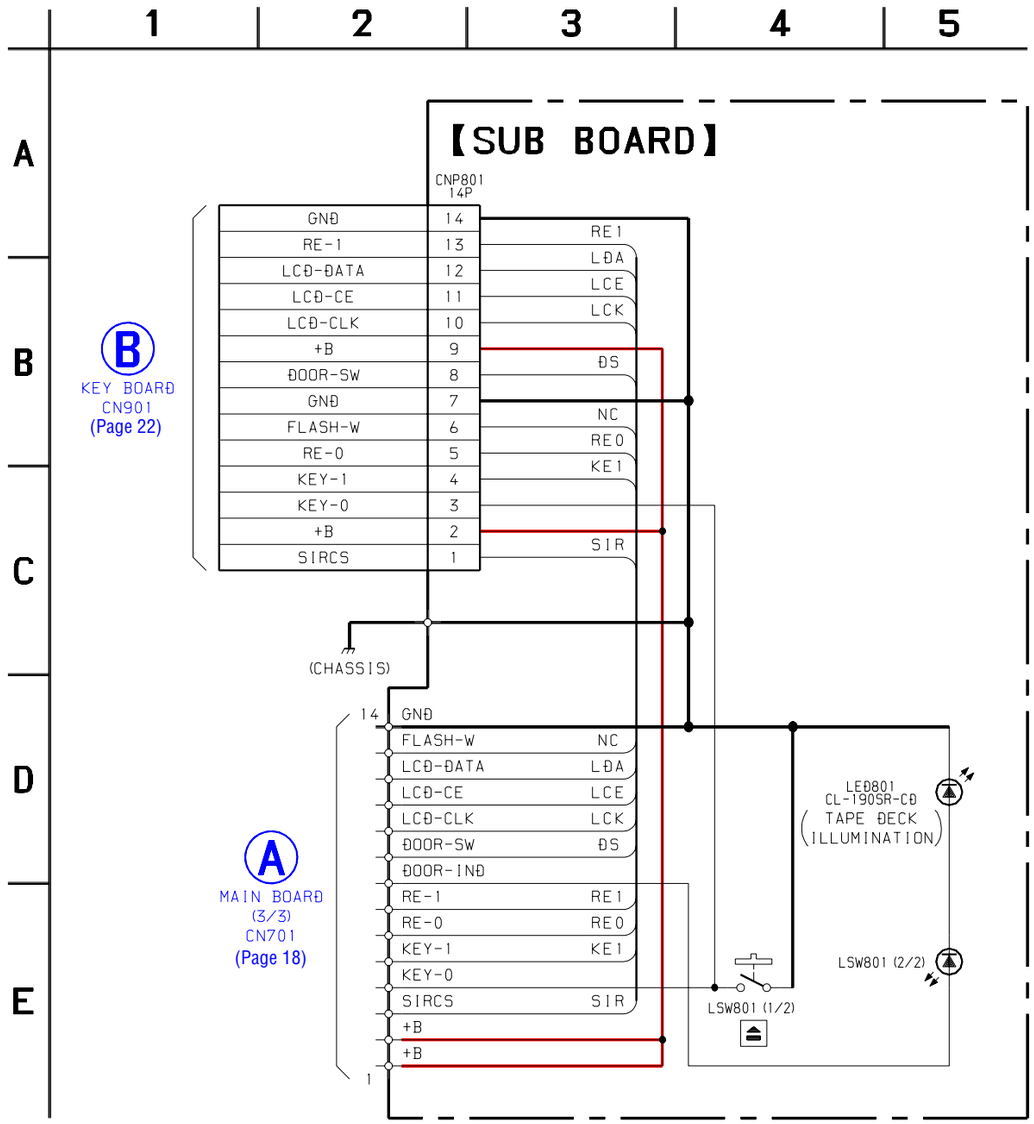
6-5. SCHEMATIC DIAGRAM – MAIN Board (3/3) – • See page 23 for IC Block Diagram.



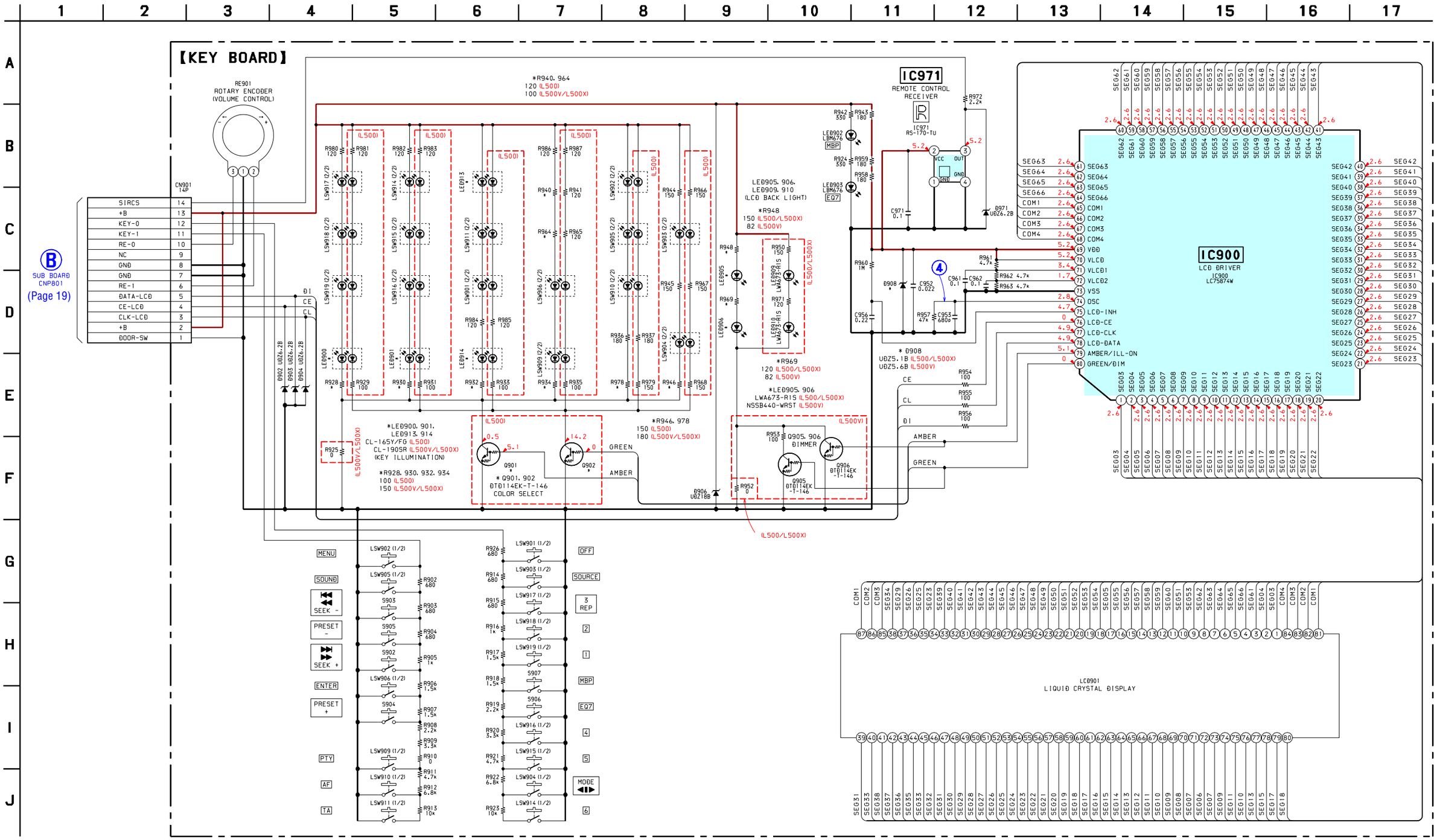
6-6. PRINTED WIRING BOARD – SUB Board –



6-7. SCHEMATIC DIAGRAM – SUB Board –



6-10. SCHEMATIC DIAGRAM – KEY Board – • See page 14 for Waveform.



SECTION 8
ELECTRICAL PARTS LIST

KEY

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
		KEY BOARD	
		**********	
	1-694-780-11	CONDUCTIVE BOARD, CONNECTION	
*	3-223-797-01	PLATE (LCD), LIGHT GUIDE	
*	3-223-798-01	HOLDER (LCD)	
*	3-223-799-01	PLATE (LCD), GROUND	
*	3-223-800-01	REFLECTOR SHEET (LCD) (L500/L500X)	
	3-231-293-01	REFLECTOR SHEET (LCD/V) (L500V)	
	3-231-648-01	SHEET (SHIELD) (L500V)	
	3-231-770-01	SPACER (WINDOW)	
		< CAPACITOR >	
C952	1-164-227-11	CERAMIC CHIP 0.022uF 10% 25V	
C953	1-115-412-11	CERAMIC CHIP 680PF 5% 25V	
C956	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	
C961	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C962	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C971	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
		< CONNECTOR >	
CN901	1-794-065-22	PLUG, CONNECTOR 14P	
		< DIODE >	
D902	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D903	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D904	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D906	8-719-056-93	DIODE UDZ-TE-17-18B	
D908	8-719-158-15	DIODE UDZ-TE-17-5.6B (L500V)	
D908	8-719-976-99	DIODE UDZ-TE-17-5.1B (L500/L500X)	
D971	8-719-056-82	DIODE UDZ-TE-17-6.2B	
		< IC >	
IC900	8-759-826-21	IC LC75874W	
IC971	8-749-012-25	IC RS-170-TU	
		< LIQUID CRYSTAL DISPLAY >	
LCD901	1-804-292-21	DISPLAY PANEL, LIQUID CRYSTAL (L500)	
LCD901	1-804-292-41	DISPLAY PANEL, LIQUID CRYSTAL (L500X)	
LCD901	1-804-293-11	DISPLAY PANEL, LIQUID CRYSTAL (L500V)	

Ref. No.	Part No.	Description	Remark
		< LED >	
LED900	8-719-061-16	LED CL-190SR-CD-T (KEY ILLUMINATION)	(L500V/L500X)
LED900	8-719-082-91	LED CL-165Y/FG-D-T (KEY ILLUMINATION)	(L500)
LED901	8-719-061-16	LED CL-190SR-CD-T (KEY ILLUMINATION)	(L500V/L500X)
LED901	8-719-082-91	LED CL-165Y/FG-D-T (KEY ILLUMINATION)	(L500)
LED902	8-719-082-81	LED LBM676-J2K2 (MBP)	
LED903	8-719-082-81	LED LBM676-J2K2 (EQ7)	
LED905	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	(L500/L500X)
LED905	8-719-084-37	LED NSSB440-WRS-THR (LCD BACK LIGHT)	(L500V)
LED906	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	(L500/L500X)
LED906	8-719-084-37	LED NSSB440-WRS-THR (LCD BACK LIGHT)	(L500V)
LED909	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	(L500/L500X)
LED910	8-719-078-19	LED LWA673-R1S2*1 (LCD BACK LIGHT)	(L500/L500X)
LED913	8-719-061-16	LED CL-190SR-CD-T (KEY ILLUMINATION)	(L500V/L500X)
LED913	8-719-082-91	LED CL-165Y/FG-D-T (KEY ILLUMINATION)	(L500)
LED914	8-719-061-16	LED CL-190SR-CD-T (KEY ILLUMINATION)	(L500V/L500X)
LED914	8-719-082-91	LED CL-165Y/FG-D-T (KEY ILLUMINATION)	(L500)
		< SWITCH >	
LSW901	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (OFF)	(L500V/L500X)
LSW901	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (OFF)	(L500)
LSW902	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (MENU)	(L500V/L500X)
LSW902	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (MENU)	(L500)
LSW903	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(L500V/L500X)
LSW903	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (SOURCE)	(L500)

KEY

Ref. No.	Part No.	Description	Remark
LSW904	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (MODE ◄I►)	(L500V/L500X)
LSW904	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (MODE ◄I►)	(L500)
LSW905	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (SOUND)	(L500V/L500X)
LSW905	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (SOUND)	(L500)
LSW906	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (ENTER)	(L500V/L500X)
LSW906	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (ENTER)	(L500)
LSW909	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (PTY)	(L500V/L500X)
LSW909	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (PTY)	(L500)
LSW910	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (AF)	(L500V/L500X)
LSW910	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (AF) (L500)	
LSW911	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (TA)	(L500V/L500X)
LSW911	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (TA) (L500)	
LSW914	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (6)	(L500V/L500X)
LSW914	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (6) (L500)	
LSW915	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (5)	(L500V/L500X)
LSW915	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (5) (L500)	
LSW916	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (4)	(L500V/L500X)
LSW916	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (4) (L500)	
LSW917	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (3, REP)	(L500V/L500X)
LSW917	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (3, REP)	(L500)
LSW918	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (2)	(L500V/L500X)
LSW918	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (2) (L500)	
LSW919	1-771-476-11	SWITCH, KEY BOARD (WITH LED) (1)	(L500V/L500X)
LSW919	1-786-112-11	SWITCH, KEY BOARD (WITH LED) (1) (L500)	

< TRANSISTOR >

Q901	8-729-904-75	TRANSISTOR	DTD114EK-T-146 (L500)
Q902	8-729-904-75	TRANSISTOR	DTD114EK-T-146 (L500)
Q905	8-729-904-75	TRANSISTOR	DTD114EK-T-146 (L500V)
Q906	8-729-904-75	TRANSISTOR	DTD114EK-T-146 (L500V)

< RESISTOR >

R902	1-216-819-11	METAL CHIP	680	5%	1/16W
R903	1-216-819-11	METAL CHIP	680	5%	1/16W
R904	1-216-819-11	METAL CHIP	680	5%	1/16W
R905	1-216-821-11	METAL CHIP	1K	5%	1/16W
R906	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R907	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R908	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R909	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R910	1-216-864-11	SHORT	0		
R911	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R912	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R913	1-216-833-11	METAL CHIP	10K	5%	1/16W
R914	1-216-819-11	METAL CHIP	680	5%	1/16W
R915	1-216-819-11	METAL CHIP	680	5%	1/16W
R916	1-216-821-11	METAL CHIP	1K	5%	1/16W
R917	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R918	1-216-823-11	METAL CHIP	1.5K	5%	1/16W
R919	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R920	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R921	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R922	1-216-831-11	METAL CHIP	6.8K	5%	1/16W
R923	1-216-833-11	METAL CHIP	10K	5%	1/16W
R924	1-216-037-00	METAL CHIP	330	5%	1/10W
R925	1-216-864-11	SHORT	0 (L500V/L500X)		
R926	1-216-819-11	METAL CHIP	680	5%	1/16W
R928	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R928	1-216-029-00	METAL CHIP	150	5%	1/10W (L500V/L500X)
R929	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R930	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R930	1-216-029-00	METAL CHIP	150	5%	1/10W (L500V/L500X)
R931	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R932	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R932	1-216-029-00	METAL CHIP	150	5%	1/10W (L500V/L500X)
R933	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R934	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R934	1-216-029-00	METAL CHIP	150	5%	1/10W (L500V/L500X)
R935	1-216-025-11	RES-CHIP	100	5%	1/10W (L500)
R936	1-216-031-00	METAL CHIP	180	5%	1/10W
R937	1-216-031-00	METAL CHIP	180	5%	1/10W (L500)
R940	1-216-809-11	METAL CHIP	100	5%	1/16W (L500V/L500X)
R940	1-216-810-11	METAL CHIP	120	5%	1/16W (L500)
R941	1-216-810-11	METAL CHIP	120	5%	1/16W (L500)
R942	1-216-037-00	METAL CHIP	330	5%	1/10W
R943	1-216-031-00	METAL CHIP	180	5%	1/10W
R944	1-216-029-00	METAL CHIP	150	5%	1/10W
R945	1-216-029-00	METAL CHIP	150	5%	1/10W
R946	1-216-029-00	METAL CHIP	150	5%	1/10W (L500)
R946	1-216-031-00	METAL CHIP	180	5%	1/10W (L500V/L500X)
R948	1-216-023-00	METAL CHIP	82	5%	1/10W (L500V)
R948	1-216-029-00	METAL CHIP	150	5%	1/10W (L500/L500X)
R950	1-216-029-00	METAL CHIP	150	5%	1/10W (L500/L500X)
R952	1-216-864-11	SHORT	0 (L500/L500X)		

KEY MAIN

Ref. No.	Part No.	Description			Remark
R953	1-216-025-00	METAL CHIP	100	5%	1/10W (L500V)
R954	1-216-809-11	METAL CHIP	100	5%	1/16W
R955	1-216-809-11	METAL CHIP	100	5%	1/16W
R956	1-216-809-11	METAL CHIP	100	5%	1/16W
R957	1-216-841-11	METAL CHIP	47K	5%	1/16W
R958	1-216-031-00	METAL CHIP	180	5%	1/10W
R959	1-216-031-00	METAL CHIP	180	5%	1/10W
R960	1-216-857-11	METAL CHIP	1M	5%	1/16W
R961	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R962	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R963	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R964	1-216-809-11	METAL CHIP	100	5%	1/16W (L500V/L500X)
R964	1-216-810-11	METAL CHIP	120	5%	1/16W (L500)
R965	1-216-810-11	METAL CHIP	120	5%	1/16W (L500)
R966	1-216-029-00	METAL CHIP	150	5%	1/10W (L500)
R967	1-216-029-00	METAL CHIP	150	5%	1/10W (L500)
R968	1-216-029-00	METAL CHIP	150	5%	1/10W (L500)
R969	1-216-023-00	METAL CHIP	82	5%	1/10W (L500V)
R969	1-216-027-00	METAL CHIP	120	5%	1/10W (L500/L500X)
R971	1-216-027-00	METAL CHIP	120	5%	1/10W (L500/L500X)
R972	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R978	1-216-029-00	METAL CHIP	150	5%	1/10W (L500)
R978	1-216-031-00	METAL CHIP	180	5%	1/10W (L500V/L500X)
R979	1-216-029-00	METAL CHIP	150	5%	1/10W (L500)
R980	1-216-027-00	METAL CHIP	120	5%	1/10W
R981	1-216-027-00	METAL CHIP	120	5%	1/10W (L500)
R982	1-216-027-00	METAL CHIP	120	5%	1/10W
R983	1-216-027-00	METAL CHIP	120	5%	1/10W (L500)
R984	1-216-027-00	METAL CHIP	120	5%	1/10W
R985	1-216-027-00	METAL CHIP	120	5%	1/10W (L500)
R986	1-216-027-00	METAL CHIP	120	5%	1/10W
R987	1-216-027-00	METAL CHIP	120	5%	1/10W (L500)
		< ROTARY ENCODER >			
RE901	1-476-507-11	ENCODER, ROTARY (VOLUME CONTROLL)			
		< SWITCH >			
S902	1-786-175-21	SWITCH, TACT (WITH LED) (▶▶I ▶▶ SEEK +)			
S903	1-786-175-21	SWITCH, TACT (WITH LED) (I◀◀ ◀◀ SEEK –)			
S904	1-786-175-21	SWITCH, TACT (WITH LED) (PRESET +)			
S905	1-786-175-21	SWITCH, TACT (WITH LED) (PRESET –)			
S906	1-786-175-21	SWITCH, TACT (WITH LED) (EQ7)			
S907	1-786-175-21	SWITCH, TACT (WITH LED) (MBP)			

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*	A-3326-808-A	MAIN BOARD, COMPLETE (L500)			
*	A-3326-813-A	MAIN BOARD, COMPLETE (L500X)			
*	A-3326-832-A	MAIN BOARD, COMPLETE (L500V)			
		**********			
*	3-040-998-01	BRACKET (IC)			
*	3-041-014-01	HEAT SINK (IS02P)			
*	3-041-262-01	HEAT SINK (REG/XR)			
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S			
	7-685-793-09	SCREW +PTT 2.6X8 (S)			
	7-685-795-09	SCREW +PTT 2.6X12 (S)			
		< CAPACITOR >			
C1	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C2	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C3	1-104-664-11	ELECT	47uF	20%	16V
C4	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C5	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C6	1-124-589-11	ELECT	47uF	20%	16V
C7	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C13	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C14	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C22	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C23	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C24	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C52	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C53	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C54	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C55	1-124-589-11	ELECT	47uF	20%	16V
C57	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C58	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C59	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C60	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C61	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V
C62	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C63	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C64	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C90	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C92	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C93	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C94	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C95	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C96	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C97	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C98	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C99	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C101	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C102	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C103	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C104	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C105	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C106	1-126-160-11	ELECT	1uF	20%	50V
C171	1-124-233-11	ELECT	10uF	20%	16V
C174	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C175	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C181	1-124-233-11	ELECT	10uF	20%	16V

MAIN

Ref. No.	Part No.	Description			Remark
C183	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C184	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C185	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C191	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C201	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C202	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C203	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C204	1-164-489-11	CERAMIC CHIP	0.22uF	10%	16V
C205	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C206	1-126-160-11	ELECT	1uF	20%	50V
C208	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C271	1-124-233-11	ELECT	10uF	20%	16V
C274	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C275	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C281	1-124-233-11	ELECT	10uF	20%	16V
C283	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C284	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C285	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C301	1-124-234-00	ELECT	22uF	20%	16V
C302	1-131-353-00	TANTALUM	10uF	10%	35V
C303	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C304	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C305	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C306	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C307	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C309	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C310	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C311	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C312	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C313	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C332	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C333	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C335	1-124-233-11	ELECT	10uF	20%	16V
C336	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C337	1-124-584-00	ELECT	100uF	20%	10V
C340	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C351	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C352	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C353	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C354	1-124-233-11	ELECT	10uF	20%	16V
C355	1-124-234-00	ELECT	22uF	20%	16V
C356	1-126-934-11	ELECT	220uF	20%	16V
C357	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C358	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C501	1-124-589-11	ELECT	47uF	20%	16V
C503	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C504	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C505	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C506	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C507	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C511	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C551	1-125-710-11	DOUBLE LAYER	0.1F		5.5V
C552	1-126-934-11	ELECT	220uF	20%	16V
C553	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C571	1-126-160-11	ELECT	1uF	20%	50V
C601	1-109-982-11	CERAMIC CHIP	1uF	10%	10V (L500V)
C602	1-109-982-11	CERAMIC CHIP	1uF	10%	10V (L500V)
C611	1-126-157-11	ELECT	10uF	20%	16V
C615	1-126-157-11	ELECT	10uF	20%	16V
C616	1-126-157-11	ELECT	10uF	20%	16V
C617	1-126-157-11	ELECT	10uF	20%	16V
C622	1-124-589-11	ELECT	47uF	20%	16V
C752	1-136-165-00	FILM	0.1uF	5%	50V
C754	1-124-233-11	ELECT	10uF	20%	16V
C755	1-126-157-11	ELECT	10uF	20%	16V
C781	1-107-885-31	ELECT	3300uF	20%	16V
C782	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C783	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C785	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C901	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C902	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C904	1-164-489-11	CERAMIC	0.22uF	10%	16V
C905	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C907	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C908	1-163-263-00	CERAMIC CHIP	330PF	5%	50V
C909	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

< CONNECTOR >

Ref. No.	Part No.	Description
CN301	1-785-694-11	CONNECTOR, FFC/FPC 7P
* CN351	1-506-995-11	PIN, CONNECTOR (PC BOARD) 13P
CN701	1-784-456-11	CONNECTOR, FFC/FPC 14P
CN781	1-794-070-12	PIN, CONNECTOR (ISO)

< JACK >

Ref. No.	Part No.	Description
CNJ151	1-774-698-11	JACK, PIN 2P (AUDIO OUT REAR)

< DIODE >

Ref. No.	Part No.	Description
D1	8-719-056-65	DIODE 1SS372-TE85L
D51	8-719-073-01	DIODE MA111-TX
D55	8-719-073-01	DIODE MA111-TX
D90	8-719-073-01	DIODE MA111-TX
D91	8-719-073-01	DIODE MA111-TX
D92	8-719-976-99	DIODE UDZ-TE-17-5.1B
D351	8-719-977-22	DIODE UDZ-TE-17-9.1B
D352	8-719-970-02	DIODE 1SR139-400T-32
D502	8-719-056-83	DIODE UDZ-TE-17-6.8B
D552	8-719-067-56	DIODE MA112-TX
D553	8-719-073-01	DIODE MA111-TX
D591	8-719-056-84	DIODE UDZ-TE-17-7.5B
D592	8-719-056-93	DIODE UDZ-TE-17-18B
D601	8-719-056-88	DIODE UDZ-TE-17-11B (L500V)
D610	8-719-970-02	DIODE 1SR139-400T-32
D611	8-719-970-02	DIODE 1SR139-400T-32
D614	8-719-970-02	DIODE 1SR139-400T-32
D622	8-719-073-01	DIODE MA111-TX
D701	8-719-056-83	DIODE UDZ-TE-17-6.8B
D702	8-719-056-83	DIODE UDZ-TE-17-6.8B
D703	8-719-056-83	DIODE UDZ-TE-17-6.8B
D704	8-719-056-83	DIODE UDZ-TE-17-6.8B
D705	8-719-056-83	DIODE UDZ-TE-17-6.8B
D706	8-719-056-93	DIODE UDZ-TE-17-18B
D707	8-719-056-83	DIODE UDZ-TE-17-6.8B

MAIN

Ref. No.	Part No.	Description	Remark
D708	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D709	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D710	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D711	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D712	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D721	8-719-079-42	DIODE 1ZB22 (TPA3)	
D722	8-719-079-42	DIODE 1ZB22 (TPA3)	
D723	8-719-079-42	DIODE 1ZB22 (TPA3)	
D724	8-719-079-42	DIODE 1ZB22 (TPA3)	
D731	8-719-079-42	DIODE 1ZB22 (TPA3)	
D732	8-719-079-42	DIODE 1ZB22 (TPA3)	
D733	8-719-079-42	DIODE 1ZB22 (TPA3)	
D734	8-719-079-42	DIODE 1ZB22 (TPA3)	
D781	8-719-049-38	DIODE 1N5404TU	
		< IC >	
IC51	8-759-492-59	IC SAA6588T-118	
IC90	8-759-100-96	IC uPC4558G2-E1	
IC301	8-752-079-78	IC CXA2509AQ-T4	
IC331	8-759-827-13	IC TDA7406T	
IC351	8-759-527-33	IC LB1930M-TLM	
IC501	8-759-828-85	IC MN101C49KTF	
IC551	8-759-682-69	IC XC61CN4302MR	
IC611	8-759-661-47	IC BA4908-V3	
IC751	8-759-827-14	IC TA8268AH	
		< JACK >	
J1	1-815-185-11	JACK (ANT) (FM/AM ANTENNA IN)	
J561	1-566-822-41	JACK (REMOTE IN)	
		< SHORT >	
JC3	1-216-295-11	SHORT 0	
JC4	1-216-296-11	SHORT 0	
JC5	1-216-296-11	SHORT 0	
JC6	1-216-296-11	SHORT 0	
JC7	1-216-296-11	SHORT 0	
JC8	1-216-296-11	SHORT 0	
JC9	1-216-296-11	SHORT 0	
JC10	1-216-295-11	SHORT 0	
JC11	1-216-295-11	SHORT 0	
JC12	1-216-296-11	SHORT 0	
JC15	1-216-296-11	SHORT 0	
JC17	1-216-296-11	SHORT 0	
JC18	1-216-295-11	SHORT 0	
JC51	1-216-296-11	SHORT 0	
JC53	1-216-296-11	SHORT 0	
JC90	1-216-295-11	SHORT 0	
JC92	1-216-295-11	SHORT 0	
JC301	1-216-295-11	SHORT 0	
JC302	1-216-295-11	SHORT 0	
JC331	1-216-295-11	SHORT 0	
JC332	1-216-296-11	SHORT 0	
JC333	1-216-296-11	SHORT 0	
JC351	1-216-295-11	SHORT 0	
JC352	1-216-295-11	SHORT 0	
JC353	1-216-295-11	SHORT 0	
JC354	1-216-295-11	SHORT 0	
JC500	1-216-295-11	SHORT 0	
JC502	1-216-296-11	SHORT 0	
JC558	1-216-295-11	SHORT 0	
JC565	1-216-295-11	SHORT 0	
JC588	1-216-295-11	SHORT 0	
JC622	1-216-295-11	SHORT 0	
JC623	1-216-295-11	SHORT 0	
JC751	1-216-296-11	SHORT 0	
JC752	1-216-296-11	SHORT 0	
JC753	1-216-295-11	SHORT 0	
JC754	1-216-296-11	SHORT 0	
JC755	1-216-296-11	SHORT 0	
JC759	1-216-296-11	SHORT 0	
JC761	1-216-295-11	SHORT 0	
JC762	1-216-295-11	SHORT 0	
JC763	1-216-296-11	SHORT 0	
JC764	1-216-296-11	SHORT 0	
JC765	1-216-295-11	SHORT 0	
JC766	1-216-296-11	SHORT 0	
JC767	1-216-295-11	SHORT 0	
JC902	1-216-295-11	SHORT 0	
		< COIL >	
L501	1-410-501-11	INDUCTOR 2.2uH	
L502	1-410-501-11	INDUCTOR 2.2uH	
L781	1-419-476-11	INDUCTOR 250uH	
		< TRANSISTOR >	
Q90	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q91	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q171	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q181	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q271	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q281	8-729-920-21	TRANSISTOR DTC314TK-T-146	
Q351	8-729-015-11	TRANSISTOR 2SD1802FAST-TL	
Q352	8-729-047-76	TRANSISTOR FMC2A-T148	
Q353	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q354	8-729-106-60	TRANSISTOR 2SB1132-T100-R	
Q551	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q571	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q583	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q591	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q592	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q595	8-729-120-28	TRANSISTOR 2SC2412K-T-146-QR	
Q601	8-729-106-60	TRANSISTOR 2SB1132-T100-R	(L500/L500X)
Q602	8-729-900-53	TRANSISTOR DTC114EKA-T146	(L500/L500X)
Q604	8-729-423-99	TRANSISTOR 2SD2137-OP-TA (L500V)	
Q605	8-729-047-76	TRANSISTOR FMC2A-T148 (L500V)	
Q621	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q622	8-729-900-53	TRANSISTOR DTC114EKA-T146	
Q631	8-729-047-76	TRANSISTOR FMC2A-T148	
		< RESISTOR >	
R1	1-216-025-11	RES-CHIP 100 5% 1/10W	
R2	1-216-025-11	RES-CHIP 100 5% 1/10W	
R3	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R12	1-216-089-11	RES-CHIP 47K 5% 1/10W	

MAIN

Ref. No.	Part No.	Description			Remark
R13	1-216-097-11	RES-CHIP	100K	5%	1/10W
R21	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R51	1-216-025-11	RES-CHIP	100	5%	1/10W
R52	1-216-025-11	RES-CHIP	100	5%	1/10W
R53	1-216-113-00	METAL CHIP	470K	5%	1/10W
R54	1-216-049-11	RES-CHIP	1K	5%	1/10W
R55	1-216-081-00	METAL CHIP	22K	5%	1/10W
R56	1-216-041-00	METAL CHIP	470	5%	1/10W
R59	1-216-001-00	METAL CHIP	10	5%	1/10W
R60	1-216-001-00	METAL CHIP	10	5%	1/10W
R91	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R92	1-216-041-00	METAL CHIP	470	5%	1/10W
R93	1-216-097-11	RES-CHIP	100K	5%	1/10W
R95	1-216-121-11	RES-CHIP	1M	5%	1/10W
R96	1-216-025-11	RES-CHIP	100	5%	1/10W
R97	1-216-073-00	METAL CHIP	10K	5%	1/10W
R98	1-216-073-00	METAL CHIP	10K	5%	1/10W
R99	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R100	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R101	1-216-041-00	METAL CHIP	470	5%	1/10W
R102	1-216-109-00	METAL CHIP	330K	5%	1/10W
R103	1-216-077-00	RES-CHIP	15K	5%	1/10W
R104	1-216-079-00	METAL CHIP	18K	5%	1/10W
R170	1-216-025-11	RES-CHIP	100	5%	1/10W
R171	1-216-025-11	RES-CHIP	100	5%	1/10W
R175	1-216-089-11	RES-CHIP	47K	5%	1/10W
R180	1-216-025-11	RES-CHIP	100	5%	1/10W
R181	1-216-025-11	RES-CHIP	100	5%	1/10W
R185	1-216-089-11	RES-CHIP	47K	5%	1/10W
R191	1-249-437-11	CARBON	47K	5%	1/4W
R192	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R201	1-216-041-00	METAL CHIP	470	5%	1/10W
R202	1-216-109-00	METAL CHIP	330K	5%	1/10W
R203	1-216-077-00	RES-CHIP	15K	5%	1/10W
R204	1-216-079-00	METAL CHIP	18K	5%	1/10W
R270	1-216-025-11	RES-CHIP	100	5%	1/10W
R271	1-216-025-11	RES-CHIP	100	5%	1/10W
R275	1-216-089-11	RES-CHIP	47K	5%	1/10W
R280	1-216-025-11	RES-CHIP	100	5%	1/10W
R281	1-216-025-11	RES-CHIP	100	5%	1/10W
R285	1-216-089-11	RES-CHIP	47K	5%	1/10W
R301	1-216-079-00	METAL CHIP	18K	5%	1/10W
R302	1-216-097-11	RES-CHIP	100K	5%	1/10W
R303	1-216-063-00	RES-CHIP	3.9K	5%	1/10W
R304	1-216-077-00	RES-CHIP	15K	5%	1/10W
R305	1-216-001-00	METAL CHIP	10	5%	1/10W
R306	1-216-105-00	RES-CHIP	220K	5%	1/10W
R331	1-249-393-11	CARBON	10	5%	1/4W
R332	1-216-089-11	RES-CHIP	47K	5%	1/10W
R335	1-216-025-11	RES-CHIP	100	5%	1/10W
R336	1-216-025-11	RES-CHIP	100	5%	1/10W
R351	1-216-049-11	RES-CHIP	1K	5%	1/10W
R352	1-249-383-11	CARBON	1.5	5%	1/6W
R353	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R354	1-216-073-00	METAL CHIP	10K	5%	1/10W
R500	1-247-807-31	CARBON	100	5%	1/4W
R501	1-247-807-31	CARBON	100	5%	1/4W

Ref. No.	Part No.	Description			Remark
R502	1-216-049-11	RES-CHIP	1K	5%	1/10W
R507	1-216-049-11	RES-CHIP	1K	5%	1/10W
R508	1-216-049-11	RES-CHIP	1K	5%	1/10W
R509	1-216-049-11	RES-CHIP	1K	5%	1/10W
R511	1-216-073-00	METAL CHIP	10K	5%	1/10W
R513	1-216-073-00	METAL CHIP	10K	5%	1/10W
R514	1-216-097-11	RES-CHIP	100K	5%	1/10W
R515	1-216-097-11	RES-CHIP	100K	5%	1/10W
R516	1-216-097-11	RES-CHIP	100K	5%	1/10W
R517	1-216-097-11	RES-CHIP	100K	5%	1/10W
R518	1-216-097-11	RES-CHIP	100K	5%	1/10W
R519	1-216-097-11	RES-CHIP	100K	5%	1/10W
R520	1-216-097-11	RES-CHIP	100K	5%	1/10W
R521	1-216-049-11	RES-CHIP	1K	5%	1/10W
R522	1-216-049-11	RES-CHIP	1K	5%	1/10W
R523	1-216-049-11	RES-CHIP	1K	5%	1/10W
R526	1-216-097-11	RES-CHIP	100K	5%	1/10W
R527	1-216-097-11	RES-CHIP	100K	5%	1/10W
R528	1-216-097-11	RES-CHIP	100K	5%	1/10W
R529	1-216-097-11	RES-CHIP	100K	5%	1/10W
R530	1-216-097-11	RES-CHIP	100K	5%	1/10W
R531	1-216-097-11	RES-CHIP	100K	5%	1/10W
R532	1-216-097-11	RES-CHIP	100K	5%	1/10W
R533	1-216-097-11	RES-CHIP	100K	5%	1/10W
R535	1-216-097-11	RES-CHIP	100K	5%	1/10W
R537	1-216-097-11	RES-CHIP	100K	5%	1/10W
R538	1-216-033-00	METAL CHIP	220	5%	1/10W
R539	1-216-033-00	METAL CHIP	220	5%	1/10W
R540	1-216-097-11	RES-CHIP	100K	5%	1/10W
R543	1-216-097-11	RES-CHIP	100K	5%	1/10W
R544	1-216-295-11	SHORT	0		
R545	1-216-025-11	RES-CHIP	100	5%	1/10W
R547	1-247-807-31	CARBON	100	5%	1/4W
R550	1-216-089-11	RES-CHIP	47K	5%	1/10W
R551	1-216-097-11	RES-CHIP	100K	5%	1/10W
R552	1-216-097-11	RES-CHIP	100K	5%	1/10W
R555	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R556	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R557	1-247-807-31	CARBON	100	5%	1/4W
R558	1-216-073-00	METAL CHIP	10K	5%	1/10W
R559	1-216-073-00	METAL CHIP	10K	5%	1/10W
R560	1-247-807-31	CARBON	100	5%	1/4W
R561	1-247-807-31	CARBON	100	5%	1/4W
R562	1-208-806-11	RES-CHIP	10K	0.5%	1/10W
R563	1-216-025-11	RES-CHIP	100	5%	1/10W
R564	1-216-025-11	RES-CHIP	100	5%	1/10W
R565	1-216-097-11	RES-CHIP	100K	5%	1/10W
R566	1-216-097-11	RES-CHIP	100K	5%	1/10W
R567	1-216-097-11	RES-CHIP	100K	5%	1/10W
R568	1-216-097-11	RES-CHIP	100K	5%	1/10W
R570	1-216-097-11	RES-CHIP	100K	5%	1/10W
R571	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R572	1-216-089-11	RES-CHIP	47K	5%	1/10W
R573	1-249-425-11	CARBON	4.7K	5%	1/4W
R576	1-216-097-11	RES-CHIP	100K	5%	1/10W
R577	1-216-089-11	RES-CHIP	47K	5%	1/10W
R578	1-216-097-11	RES-CHIP	100K	5%	1/10W
					(L500/L500X)

MAIN **SUB**

Ref. No.	Part No.	Description			Remark
R579	1-216-097-11	RES-CHIP	100K	5%	1/10W (L500/L500V)
R586	1-216-073-00	METAL CHIP	10K	5%	1/10W
R587	1-216-073-00	METAL CHIP	10K	5%	1/10W
R588	1-216-049-11	RES-CHIP	1K	5%	1/10W
R589	1-216-089-11	RES-CHIP	47K	5%	1/10W
R591	1-216-049-11	RES-CHIP	1K	5%	1/10W
R592	1-216-049-11	RES-CHIP	1K	5%	1/10W
R594	1-216-097-11	RES-CHIP	100K	5%	1/10W
R595	1-216-089-11	RES-CHIP	47K	5%	1/10W
R600	1-216-037-00	METAL CHIP	330	5%	1/10W (L500V)
R603	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (L500/L500X)
R604	1-216-073-00	METAL CHIP	10K	5%	1/10W (L500/L500X)
R606	1-249-400-11	CARBON	39	5%	1/4W (L500/L500X)
R607	1-249-400-11	CARBON	39	5%	1/4W (L500/L500X)
R608	1-249-400-11	CARBON	39	5%	1/4W (L500/L500X)
R609	1-249-389-11	CARBON	4.7	5%	1/4W (L500V)
R609	1-249-400-11	CARBON	39	5%	1/4W (L500/L500X)
R625	1-216-017-00	RES-CHIP	47	5%	1/10W
R631	1-216-033-00	RES-CHIP	220	5%	1/10W
R632	1-216-033-00	RES-CHIP	220	5%	1/10W
R633	1-216-033-00	RES-CHIP	220	5%	1/10W
R634	1-216-033-00	RES-CHIP	220	5%	1/10W
R635	1-216-033-00	RES-CHIP	220	5%	1/10W
R636	1-216-033-00	RES-CHIP	220	5%	1/10W
R701	1-216-025-11	RES-CHIP	100	5%	1/10W
R702	1-216-025-11	RES-CHIP	100	5%	1/10W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R753	1-249-429-11	CARBON	10K	5%	1/4W
R756	1-216-198-00	RES-CHIP	1K	5%	1/8W
R757	1-216-198-00	RES-CHIP	1K	5%	1/8W
R758	1-216-198-00	RES-CHIP	1K	5%	1/8W
R760	1-216-198-00	RES-CHIP	1K	5%	1/8W
R901	1-249-417-11	CARBON	1K	5%	1/4W
		< SWITCH >			
S551	1-692-431-21	SWITCH, TACTILE (RESET)			
S552	1-771-540-11	SWITCH, PUSH (NOSE DETECT) (1 KEY)			
		< TUNER UNIT >			
TU1	A-3282-061-A	TUNER UNIT (TUX-020)			
		< VIBRATOR >			
X51	1-579-242-41	VIBRATOR, CRYSTAL (4.332MHz)			
X501	1-781-294-21	VIBRATOR, CRYSTAL (18.432MHz)			
X502	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)			

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Ref. No.	Part No.	Description	Remark
*	1-676-603-21	SUB BOARD	
		**********	
	1-792-195-11	CABLE, FLEXIBLE FLAT (14 CORE)	
		< CONNECTOR >	
CNP801	1-794-064-12	SOCKET, CONNECTOR 14P	
		< LED >	
LED801	8-719-038-05	LED CL-190FG-CD-T (TAPE DECK ILLUMINATION) (L500)	
LED801	8-719-061-16	LED CL-190SR-CD-T (TAPE DECK ILLUMINATION) (L500V/L500X)	
		< SWITCH >	
LSW801	1-771-883-11	SWITCH, TACTILE (WITH LED) (⏏) (L500V/L500X)	
LSW801	1-786-113-11	SWITCH, TACT (WITH LED) (⏏) (L500)	

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		MISCELLANEOUS	
		**********	
3	1-792-195-11	CABLE, FLEXIBLE FLAT (14 CORE)	
14	1-782-381-11	CORD (WITH CONNECTOR) (ISO P&S) (POWER) (South European)	
15	1-777-989-41	CORD (WITH CONNECTOR) (AMP REM/ATT)	
64	1-694-780-11	CONDUCTIVE BOARD, CONNECTION	
F781	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) (10A)	
HP901	1-500-196-21	HEAD, MAGNETIC (PLAYBACK)	
LCD901	1-804-292-21	DISPLAY PANEL, LIQUID CRYSTAL (L500)	
LCD901	1-804-292-41	DISPLAY PANEL, LIQUID CRYSTAL (L500X)	
LCD901	1-804-293-11	DISPLAY PANEL, LIQUID CRYSTAL (L500V)	
M901	A-3291-665-A	MOTOR ASSY, MAIN (CAPSTAN/REEL)	

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		HARDWARE LIST	
		**********	
#1	7-685-793-09	SCREW +PTT 2.6X8 (S)	
#2	7-621-772-20	SCREW +B 2X5	
#3	7-685-792-09	SCREW +PTT 2.6X6 (S)	
#4	7-627-553-28	SCREW, PRECISION +P 2X2.5	
#5	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#6	7-624-104-04	STOP RING 2.0, TYPE -E	
#7	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
#8	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	
#9	7-685-795-09	SCREW +PTT 2.6X12 (S)	

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		ACCESSORIES & PACKING MATERIALS	
		**********	
	3-227-102-11	MANUAL, INSTRUCTION (ENGLISH, GERMAN, FRENCH, ITALIAN, DUTCH)	
	3-227-102-21	MANUAL, INSTRUCTION (ENGLISH, SPANISH, SWEDISH, PORTUGUESE, GREEK, RUSSIAN)	
	3-227-102-31	MANUAL, INSTRUCTION (ENGLISH, CZECH, POLISH, TURKISH, RUSSIAN) (L500/L500X)	
	3-227-103-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN, FRENCH, ITALIAN, DUTCH)	

Ref. No.	Part No.	Description	Remark
	3-227-103-21	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH, SWEDISH, PORTUGUESE, GREEK, RUSSIAN)	
	3-227-103-31	MANUAL, INSTRUCTION, INSTALL (ENGLISH, CZECH, POLISH, TURKISH, RUSSIAN) (L500/L500X)	
	X-3378-490-1	CASE (PANEL) ASSY (for FRONT PANEL)	

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PARTS FOR INSTALLATION AND CONNECTIONS
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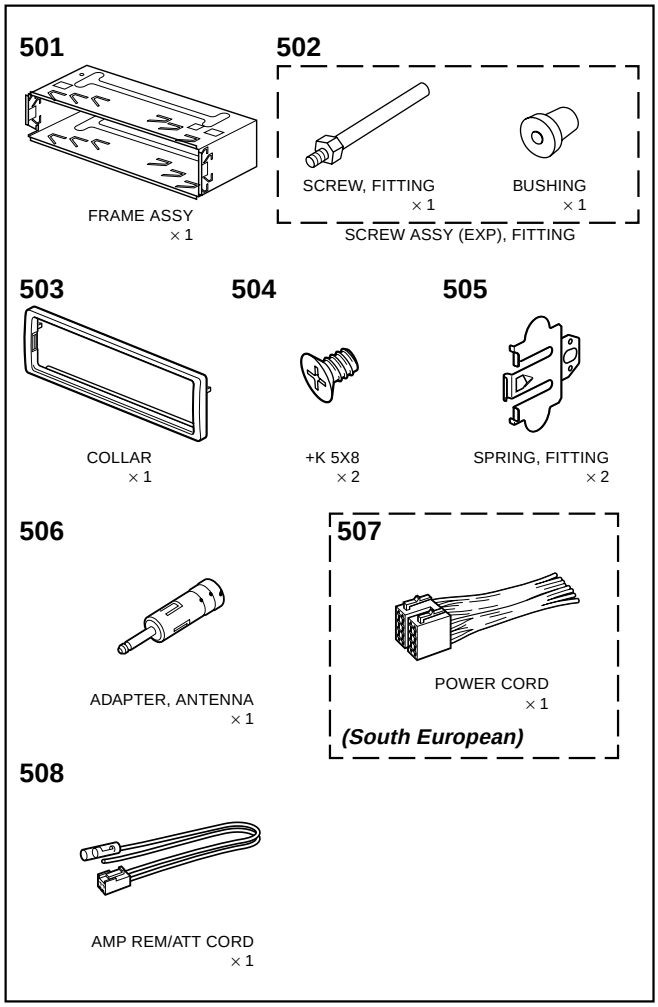
501	X-3373-602-1	FRAME ASSY	
502	X-3366-405-1	SCREW ASSY (EXP), FITTING	
503	3-040-979-01	COLLAR	
504	3-934-325-01	SCREW, +K (5X8) TAPPING	
505	3-233-644-01	SPRING, FITTING	
506	1-465-459-21	ADAPTER, ANTENNA	
507	1-782-381-11	CORD (WITH CONNECTOR) (ISO P&S) (POWER) (South European)	
508	1-777-989-41	CORD (WITH CONNECTOR) (AMP REM/ATT)